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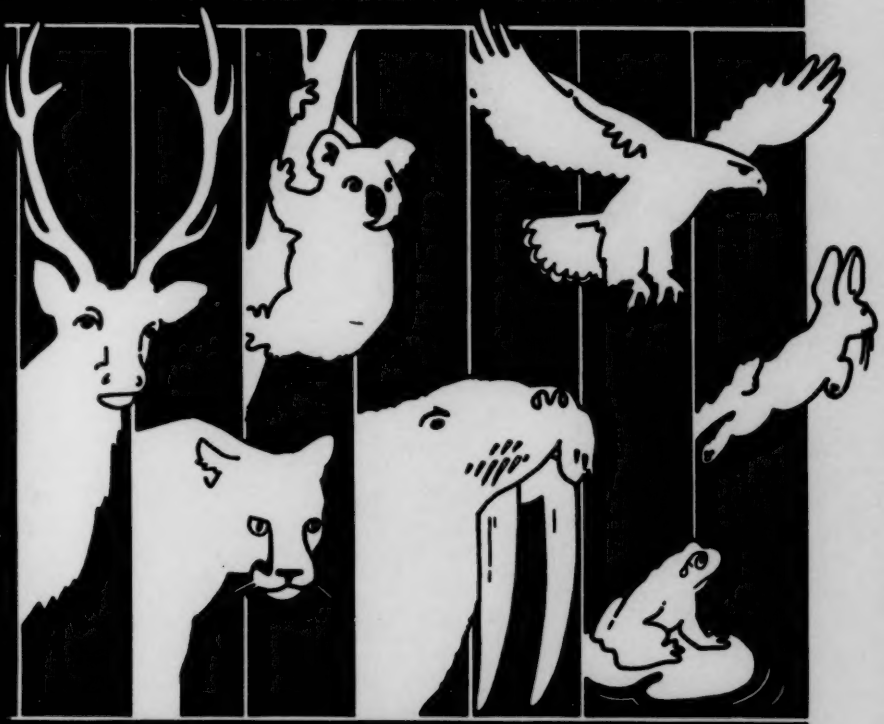

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Terry N. Sexson
John S. Roitz
Karen L. Fleming

Compilers

U.S. Fish and Wildlife Service
Office of Information Transfer
Data Base Section
1025 Pennock Place, Suite 212
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Phone: (303) 493-8401
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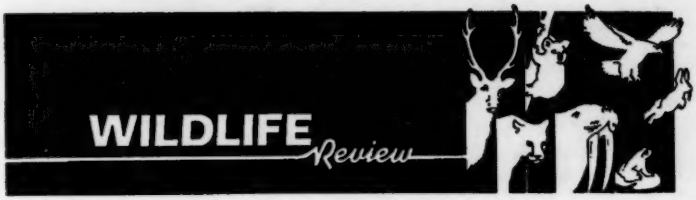

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BOOK REVIEW

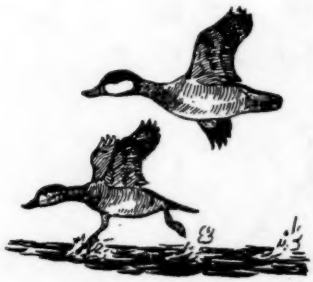
Robbins, Samuel D., Jr. 1991. *Wisconsin Birdlife: Population and Distribution Past and Present.* The University of Wisconsin Press, 114 North Murray St., Madison, WI 53715, xviii + 702 pp. Available from the publisher $75.00 (cloth).

This is a nicely produced, first class treatment of the avifauna of Wisconsin. There are four elements to the book. First is an historical account of Wisconsin ornithology by the author. This is followed by a detailed analysis by James H. Zimmerman of the occurrence of Wisconsin birds as influenced by geography, including topography; climate; and vegetation.

The major section of the book, some 513 pages, includes the species accounts. These account treat all birds ever reliably recorded in Wisconsin. For each species, the narrative details the documentation and history of the bird's occurrence in the state. In some cases, a black and white photograph that helped document the species' occurrence is included. The birds status as a breeding species, wintering species, migrant, or vagrant in each area of the state is discussed as is the timing of migration and breeding. A map accompanies almost all species accounts. For common species breeding, migrant, or wintering status is indicate by different kinds of shading. For a few species whose relative abundance has been measured by the Fish and Wildlife Service's Breeding Bird Survey, actual densities in different areas of Wisconsin are plotted. For rare species, actual symbols coded for season of observation are placed in each county where the species was seen. Finally for species that have colonized Wisconsin in historical times, for example House Finch and Blue-winged Warbler, the year of first record is placed in each county where the species is known.

Following the species accounts is a section by James H. Zimmerman describing the state's habitats accompanied by charts showing which habitats are used by each species of breeding, wintering, and migrant bird. The text is followed by a seemingly exhaustive bibliography on Wisconsin birdlife by Walter E. and Gertrude M. Scott.

This book is another of those complete documentations for which we are all grateful. Those interested in Wisconsin's avifauna will need it on their reference shelf, but remember that this is not a field guide or treatment of each species' natural history. The production is fine and seems aimed at the coffee table set (folio size and relatively high price tag). Those who wish more extensive, quantitative data on the state's breeders will have to wait until a breeding bird atlas is carried out for Wisconsin. —Paul A. Opler, U.S. Fish and Wildlife Service, Office of Information Transfer, 1025 Pennock Place, Suite 212, Fort Collins, CO 80524.



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van Dongen, Ruud M.
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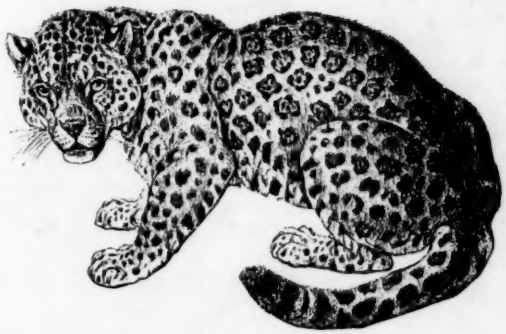

BOOK REVIEW

Chandler, Richard J. 1989. *The Facts on File Field Guide to North Atlantic Shorebirds.* Facts on File, Inc., New York, NY 10016. 208 pp. $19.95 (cloth).

The author and publisher have combined forces to produce a small compact book that is a storehouse of useful information on shorebird biology, occurrence, life history, and identification.

As is true for many current guides, photographs are used instead of color paintings. The vast majority of the photographs were taken by the author, Richard J. Chandler, and he includes a lengthy treatise on shorebird photography in the introductory section. The fact that explanatory captions detail the critical features of each photograph make the photos more useful.

Most of the text is taken up with species accounts. For most species age and seasonal plumage differences are illustrated by at least three photographs, and often four or five. Usually, juvenile, winter, and adult summer plumages are shown. Each species account has a long paragraph on identification of the adult followed by a briefer paragraph on juvenile, first winter/adult winter, and adult summer plumage descriptions. A description of the call, usually on a single line, is followed by a paragraph on status, habitat, and distribution. Finally a succinct section on racial variation is included, and the account ends with a listing of similar species.

No information on breeding biology, nesting, or eggs is given.

The book's area of coverage is the North Atlantic, thus biologists in the western Palaearctic or on the Atlantic coast of North America are best served. Bird biologists on the Pacific Coast will be disappointed that Pacific species such as black oystercatcher, black turnstone, wandering tattler, or rock sandpiper do not have separate species accounts. Thus, although useful, the book is incomplete for those who live in the West.

I compared the features of this book with those of "Shorebirds" by Hayman, Marchant, and Prater, and found the book by Chandler to compare favorably, especially when one considers the difference in price. Of course, the larger book covers all world species, not just those of the north Atlantic. —Paul A. Opler, U.S. Fish and Wildlife Service, Office of Information Transfer, 1025 Pennock Place, Suite 212, Fort Collins, CO 80524.

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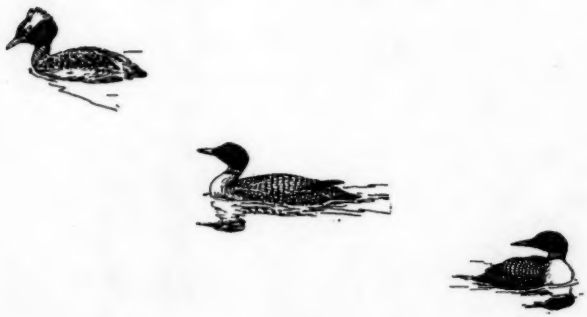
BOOK REVIEW

Kessel, Brina. 1989. *Birds of the Seward Peninsula, Alaska.* University of Alaska Press, 2nd floor Eielson Building, c/o Signers' Hall, Fairbanks, AK 99775-1580. xi + 330 pp. Available from the publisher $34.95 (cloth).

This is a scholarly treatment of the avifauna of Seward Peninsula of western Alaska, an area of about 20,000 square miles—4 times the size of the state of Connecticut. Brina Kessell carried out extensive surveys of the region's avifauna from 1967 to 1977. In addition, she did a thorough historical review of the literature about the peninsula's birds and obtained the field notes or personal observations from several competent ornithologists who had visited the area. The book includes an excellent introduction to the ecological habitats and bird habitats of the area. A special section analyzes the abundance of birds in the regions several habitats, primarily based on Dr. Kessel's detailed records of bird numbers kept on her trips and transects conducted in the region. A brief section analyzes the biogeographic affinities of the avifauna. Finally, the major portion of the text is taken up by an annotated list of the Seward Peninsula's birds. In this section, Dr. Kessel documents the historical occurrence of the species in the region, referring to the literature and specimen numbers when necessary. The species status as a resident, migrant, visitor, or stray, is discussed, as is detailed description of nesting and migration chronologies. Each species wintering habitat is discussed and the species' status outside the area is presented where necessary. In some cases where quanitative data are available, evidence for long-term declines or increases is presented.

This book will be of great value in documenting the occurrence of species in the region, and should be useful to ornithologists, wildlife biologists, and conservationists who study or work in the area. It is not recommended for any but the most advanced birdwatchers who might be interested in exploring the region. It is clearly not meant as a field guide as few illustrations of birds are included and there is no mention of identification features. The text is well written and I found few flaws. The absence of common names on the table giving biogeographic affinities and the failure to distinguish the year of symbols reputed to show differences in species abundance trends were only minor aggravations. The price of the book seemed a bit high when one considers that no color illustrations were included, but may have been necessary due to the limited audience for such a book. —Paul A. Opler, U.S. Fish and Wildlife Service, Office of Information Transfer, 1025 Pennock Place, Suite 212, Fort Collins, CO 80524.



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BOOK REVIEW

Behle, William H. 1990. *Utah Birds: Historical Perspectives and Bibliography.* Occasional Publication No. 9, Utah Museum of Natural History, University of Utah, Salt Lake City, UT 84112. xv + 355 pp., 139 ills. Available from the publisher at $25.00 (cloth).

Utah Birds is not a bird book. Rather, it is a book about the history of ornithology in Utah, and an excellent one. It is the only complete book about the history or ornithology in a state, or any area of similar size, of which I am aware, and it may serve as a model for others.

The recorded history of ornithology in Utah dates, in a minor way, from 1776, but it was not until the Mormon pioneers settled in the late 1840's that knowledge of birds began to accumulate in a sustained fashion. Despite the short time span, relative to that in eastern and Pacific coast states, the detailed knowledge of the distribution and systematics of birds in Utah may be unsurpassed considering the physiographical and ecological diversity of the state. Much of this knowledge is a result of the studies of Behle himself, whose career covers about a third of the state's ornithological history, although his own contributions are not hightlighted.

Behle treats the history of ornithology in Utah in excruciating detail. Everyone who has contributed to knowledge of Utah birds is mentioned, and most are treated in biographical vignettes. Each graduate student in the state whose thesis mentions Utah birds is noted. Each expedition to study Utah birds, even those that barely touched the state, is included. Each organization composed of students of birds, each academic program, each state or federal agency, is recorded. Unfortunately, much of the information is repetitive, as individuals and events are noted in several different contexts. The book must have been compiled over a long number of years, in sections that were not later well intergrated.

Sections that should be of particular interest to readers of *Wildlife Review* are those on the early scientific field work by personnel of the Bureau of Biological Survey, particularly in the late 1800s, and the later interests of the Fish and Wildlife Service, primarily on waterfowl refuges. There is an important history of the Cooperative Wildlife Research Unit at Utah State University, including a critique of its decline after fisheries research was combined with it, funding and personnel decreased, and the research emphasis changed from practical to theoretical.

Utah Birds provides a perspective on the basis for recent population declines. At the time of settlement, birds and other forms of wildlife apparently were present in numbers that can barely be imagined today. That abundance did not persist for long, as the human population increased and land was converted to agricultural uses. The declines of the present seem rather minor relative to the earlier losses—even though the base is much smaller. Behle implies that the large numbers of eggs taken by oological collectors over the decades ending in the 1930s may be a factor in the decline of some species, but the major habitat changes in the state in the last 60 years must be fantastically more important when avian population levels are considered. At least the activities of the oologists contributed knowledge that could have been obtained in no other way. The book includes an interesting 50-year history of "The Birds of Utah" by Hayward, Cottam, Woodbury, and Frost, which had begun with Cottam's master's thesis in 1926. It is a classic exercise in how not to write a state bird book. *Utah Birds* concludes with a chronological listing of the main events in Utah ornithological history and a 29 page bibliography that includes virtually every published reference to birds in the state.

This volume is profusely illustrated, with photos of most of those who have contributed to Utah ornithology. It lacks a map of the state showing the many localities mentioned, a grievous omission. There are few typos, but several cross-references to "p. 000" indicate a lack of attention to details in the final stages of preparation. Ornithologists and wildlife biologists should have and read this volume, and assign at least parts of it for student readings. Too often we view what we do know in a historical vacuum, without the valuable awareness of how we know what we know and who made it possible. —Richard C. Banks, NERC, U.S. Fish and Wildlife Service, National Museum of Natural History, Washington, DC 20560.

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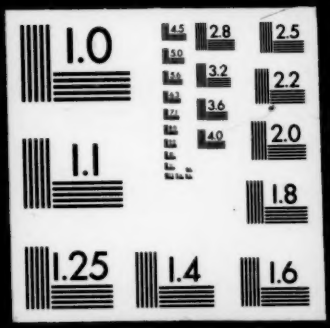
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